



VASIL'YEVA, L. N.

USSR/Chemistry - Aromatic Compounds: Isotopes 21 Jul 51

"Mobility of Hydrogen in Aromatic Compounds," A. I. Shatenshteyn, N. M. Dykno,  
Ye. A. Izrailevich, L. N. Vasil'yeva, M. Fayvush, Sci Res Phys Chem Inst imeni  
L. Ya. Karpov

"Dok Ak Nauk SSSR" Vol LXXIX, No3, pp 479-482

Using liquid deutero-ammonia in the presence of potassium amide, found that rate of isotope exchange increases with the number of rings from benzene to phenanthrene. All hydrogen atoms in toluene, m-xylene, mesitylene, methyl naphthalene, anisole, methoxynaphthalene, dimethylaniline, triphenylmethane, and fluorene are exchanged. In completely hydrogenated aromatics the rate of exchange is greatly impeded. Electroneg substituents increase the rate of exchange while electropos substituents reduce it. In toluene, the rate of exchange of methyl hydrogen atoms is 100 times greater than that of nuclear hydrogen atoms.

PA 211T24

VASIL'YEVA, L. N.

USSR/Chemistry - Hydrocarbons,  
Isotopes

11 Jul 52

"The Mobility of Hydrogen in Certain Hydrocarbons," A.I. Shatenshteyn, L.N. Vasil'yeva, N.M. Dykhno, and Ye.A. Izrailevich

3 DAN SSSR, Vol 85, No 2, pp 381-384

The mobility of H in various hydrocarbons was measured using heavy ammonia and potassium amide. Presented by Acad A. N. Frumkin  
7 May 52.

256T10

VASIL'YEVA, L.N.

USSR

✓ Mobility of hydrogen in ethylenic hydrocarbons. A. I. Shatenshtain, L. N. Vasil'yeva, and N. M. Dykina. ZHUR. FIZ. KAKM. 26, 193-8 (1954); cf. C.A. 48, 10413c. The rate of isotopic exchange with ND<sub>3</sub> in the presence of KND<sub>3</sub> of the H atoms in 1-pentene (I), 2-pentene (II), 1-hexene (III), cyclohexene (IV), 1-octene (V), 2,4,4-trimethyl-1-pentene (VI), 2-octene, and 1-hexadecene was determined at temps. from 20 to 166° by a previously described method (*loc. cit.*). Measured values of b.p. and  $n_{D,20}^2$  of the above compds. are tabulated, as are the temp., time in hrs., concn. of KND<sub>3</sub>, and rate const. ( $k$ ) for each exchange reaction. Av. values of  $k$  in sec.<sup>-1</sup> and the corresponding temp. in that order are for I,  $2 \times 10^{-6}$  (50°); for II,  $4 \times 10^{-7}$  (25°); for III,  $2 \times 10^{-6}$  ( $2 \times 10^{-5}$ ) and  $1 \times 10^{-4}$  (50°); for IV,  $1 \times 10^{-6}$  ( $2 \times 10^{-5}$ ) and  $9 \times 10^{-6}$  (10°); for V,  $5 \times 10^{-7}$  (50°); for VI,  $3 \times 10^{-6}$  (50°). 1,5-Hexadiene is isomerized to 2,4-hexadiene upon heating in a soln. of KND<sub>3</sub> in liquid ND<sub>3</sub>. In VI H atoms are exchanged with the part of the mol. contg. the double bond.

J. W. Loweberg, Jr.

VASIL'YEVA, LN.

Class: 118L

108.58° Mutual Influence of Atoms in Molecules of Certain Ethylene Hydrocarbons According to Experiments With Isotopic Exchange of Hydrogen. (Russian.) A. I. Shatenstein and L. N. Vasil'eva. Doklady Akademii Nauk SSSR, v. 85, no. 1, Mar. 1, 1954, p. 115-118.  
Substantiates basic assumptions. Graph, table. 3 ref.

VASIL'YEVA, L.N.

Mutual effect of atoms in molecules at some steric hindrance on the exchange of isotopic hydrogens

Shatenstein and L.N. Vasil'eva, *J. Russ. Phys. Chem. Soc.*, 1895, p. 100; *Zhur. Fiz. Khim.*, 1931, 5, 111; *Ber. Bunsen-Ges.*, 1931, 35, 143. In a plot of  $\log k$  vs.  $1/T$  the activation energy  $E_A$  is 43.1 kcal. In general, the rate of the reaction of  $\text{Li}^+ \text{LiH}$  as catalyst is determined by the presence of  $\text{K}^{+}\text{Li}^+$  as catalyst. The effect of atoms of alkynes can be exchanged for  $\text{D}_2$ . This was observed, for example, in the case of hexaalkynes. All the bonds and oxygen atoms in the case of hexaalkynes. All the bonds and oxygen atoms in

the difference in exchange constants for II and III,  $k_2/k_1$ , with  $k = 7 \times 10^{-4}$  and  $1.9 \times 10^{-4}$  sec., respectively. If one atom in III is replaced by H, an asymmetry is created; consequently a dipole moment ( $\mu = 0.47 \text{ D.}$ ) is created, and the exchange interaction increases to  $\approx 5 \times 10^{-4}$  sec. Michael Danzig

VASIL'YEVA, I. N.

Open pit trench mining with transportation dump bridges. Trudy Inst.  
gov. dela AN USSR no.1:92-102 '51. (MIRA 10:2)  
(Strip mining) (Mine haulage)

VASIL'YEVA, L.N., meditsinskaya sestra

Spinal tuberculosis in children. Med.sestra 18 no.10:17-22 o '59.  
(MIRA 13:1)

1. Iz detskogo tuberkuleznogo kostno-sustavnogo sanatoriya "Krasnaya  
Rozza."

(SPINE--TUBERCULOSIS)

S/081/62/000/018/038/059  
B166/B180

AUTHORS: Turkel'taub, N. M., Vasil'yeva, L. N.

TITLE: Analysis of mixtures of C<sub>1</sub> - C<sub>5</sub> paraffinic and olefinic hydrocarbons by means of gas chromatography on modified sorbents

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 18, 1962, 453-454, abstract 18M209 (Novosti neft. i gaz. tekhn. Gaz. delo, no. 2, 1961, 27-32)

TEXT: A technique has been developed for modifying sorbents for separating mixtures of C<sub>1</sub> - C<sub>4</sub> paraffins and olefins, pentane, isopentane and certain amylenes. It is found that alkali modification of diatomaceous brick will level out the adsorption isotherms, reduce the capacity of the sorbent and eliminate the irreversibility of isobutylene adsorption. A 2% addition of vaseline oil, a nonpolar solvent, to the alkali-modified brick, considerably reduces the containment volumes of the butylenes, varying the elution of the

Card 1/?

Analysis of mixtures of ...

S/081/62/000/018/038/059  
B166/3180

components of the mixture under investigation. For complete separation of a mixture of C<sub>1</sub> - C<sub>4</sub> hydrocarbons, pentane and isopentane the optimum quantities for adding to the brick are 2% alkali and 10% vaseline oil, or 5% alkali and 7% vaseline oil. This technique can be used both for chromatographic analysis under isothermal conditions and for industrial gases using a XT-2M (KhT-2M) instrument. [Abstracter's note: Complete translation.]

Card 2/2

VINOGRADOVA, Ye.N.; IGILIT'Y.V., Yu.N.; VASIL'YEV, I.M.

Determination of ultrasmall amounts of cadmium. Tezis. nauch. khir.  
reak. i prepar. no. 5/6.62-67 '63. (Zash. 1)

1. Moskovskiy gosudarstvennyy universitet.

L 28712-65 ENT(m)/ENG(m)/T/EWP(t)/EXP(b) IIP(c) RMI/JD

ACCESSION NR: AT5004073

S/3127/63/000/05-/0062/0067

AUTHOR: Vinogradova, Ye. N.; Ignatyev, Yu. N.; Vasil'yev, L. N.

TITLE: Determination of trace amounts of cadmium

SOURCE: USSR. Gosudarstvennyy komitet po khimii. Metody analiza khimicheskikh reaktivov i preparatov, no. 5/6, 1963. Polyarograficheskoye opredeleniye ul'tramikro-primesey s nakopleniyem ikh na statcionarnykh rtvinykh ili tverdykh elektrodakh s posleduyushchim rastvoreniyem (Polarographic determination of ultramicroimpurities with their accumulation on stationary mercury or solid electrodes and subsequent dissolution).

62-67

TOPIC TAGS: cadmium determination, mercury electrode, contactless electrode, polarography

ABSTRACT: The authors continued their investigation of a polarographic determination of microquantities of cadmium by means of a sphere electrode consisting of a spherical drop of mercury suspended on a short stub of platinum wire. The insufficient sensitivity of such electrodes, caused by reaction of the cadmium with platinum in a solution with mercury, impelled the authors to design a new electrode without metal contact: the sphere of mercury is expelled from a capillary. Using a cell specially constructed for

Card 1/2

L 28712-65

ACCESSION NR: AT5004073

this electrode, the authors recorded the height of the cadmium peak versus the cadmium concentration, which ranged between  $1 \times 10^{-9}$  M and  $1 \times 10^{-8}$  M. This relation was found to be linear. The determination of cadmium was carried out in 0.1 M KCl. Artificial contamination enabled the authors to determine cadmium in amounts as low as 0.004  $\mu$ g per ml. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: MGU

SUBMITTED: 00May62

ENCL: 00

SUB CODE: IC

NO REF SOV: 004

OTHER: 001

2/2

Card

AREF'YEVA, T.V.; VASIL'YEVA, L.N.

Polarographic determination of selenium and tellurium in  
complex metal ores and products of their processing. Sber.  
nauch. trud. Gintsvetmet no.19:669-675 '62. (MIRA 16:7)  
(Polarography) (Selenium) (Tellurium)

AREF'YEVA, T.V.; VASIL'YEVA, L.N.

Polarographic determination of gallium. Sbor. nauch. trud.  
Gintsvermeta no.19:710-717 '62. (MIRA 16:7)

(Gallium) (Polarography)

S/075/62/017/005/002/007  
I033/I233

AUTHORS: Vinogradova, Ye. N. and Vasil'yeva, L.N.

TITLE: Determination of ultra-small amounts of tin, bismuth, and niobium in highly pure aluminum by anodic voltammetry on a stationary mercury electrode

PERIODICAL: Zhurnal analiticheskoy khimii, v.17, no.5, 1962,  
579-584

TEXT: As little as  $2 \cdot 10^{-6}\%$  of Bi in highly pure aluminum containing  $2 \cdot 10^{-4}\%$  Cu was determined with an experimental error of 10%;  $3 \cdot 10^{-5}\%$  of Sn in Al containing  $2 \cdot 10^{-5}\%$  Pb, with a 22% error; and  $2 \cdot 10^{-5}$  of Sb in Al containing  $2 \cdot 10^{-4}\%$  Cu with a 15% error. Electrolytic separation and concentration of metals on a stationary mercury electrode was followed by anodic oxidation of the obtained amalgam. Sensitivity of the method increases with decrease of

Card 1/3

S/075/62/017/005/002/007  
I033/I233

Determination of ultra-small...

both rate of voltage increase and the size of the drop. The potential of anodic dissolution is -0.4 V. The peak height changes linearly at the concentration range  $1.10^{-7}$  -  $2 \times 10^{-8}$  M. and coincides with a Pb peak in the 1.5 N HCl medium. At pH 2-3 the Sn peak disappears while the Pb peak remains unchanged. The amount of Sn is found from the difference of the peak heights. A 1000-fold excess of Cd and a 100-fold excess of Sb, Cu, and Cd do not interfere. Bi may be determined in an HCl medium in the presence of up to 25-fold excess of Cu if it is concentrated at -0.3 V but Sb interferes. In the  $H_2SO_4$  medium the presence of an equal amount of Sb is permissible. Sb may be determined in both HCl and the  $H_2SO_4$  medium after previous transformation to the tervalent state. In HCl medium the presence of equal amounts

✓

Card 2/3

S/075/62/017/005/002/007  
I033/I233

Determination of ultra-small....

of Bi and 5-fold excess of Cu is permissible. In  $H_2SO_4$  medium Sb is dissolved at -0.13 V and 20-and 10-fold excesses of Bi and Cu, respectively, are tolerated. A  $\mu A$ (TsIA) polarograph was used with a s.c.e. reference. There are 3 figures and 4 tables.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov. (Government Scientific Research Institute of Non-Ferrous Metals)

SUBMITTED: July 17, 1961

Card 3/3

59

L 16596-63

EWP(q)/EWT(m)/BDS AFFTC/ASD JD  
S/075/63/018/004/005/015

AUTHOR: Vasil'yeva, L. N. and Vinogradova, Ye. N.

TITLE: The determination of minute amounts of gallium, zinc and cadmium  
in high-purity aluminum by the method of anodic voltamperometry  
on a stationary mercury electrode

PERIODICAL: Zhurnal analiticheskoy khimii, v. 18, no. 4, April 1963, 454-459

TEXT: The authors demonstrate the possibility of determining zinc,  
gallium and cadmium by the anodic voltamperometry method on a stationary mercury  
electrode with silver contact. They work out methods for determining impurities  
in aluminum at concentrations of  $6 \cdot 10^{-5}\%$  for zinc,  $1 \cdot 10^{-5}\%$  for gallium, and  
 $2 \cdot 10^{-6}\%$  for cadmium. There is 1 figure and 4 tables.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow  
State University im. M. V. Lomonosov)

SUBMITTED: April 19, 1962

Card 1/1

VASIL'YEVA, L.N.; VINOGRADOVA, Ye.N.

Determination of ultrasmall amounts of gallium, zinc, and  
cadmium in aluminum of high purity by the method of anodic  
voltamperometry on a stationary mercury electrode. Zhur.znal.khim.  
18 no.4:454-459 Ap '63. (MIRA 16:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.  
(Metals—Analysis) (Voltammetry)

VASIL'YEVA, L.N.; AZBUKINA, Z.M.

Development of mycology and phytopathology in the Far East.  
Trudy VIZR no.23:259-264 '64. (MIRA 19:2)

ABLAKATOVA, Aleksandra Aleksandrovna; VASIL'YEVA, L.N., otv. red.

[Mycoflora and the basic fungus diseases of fruit and berry plants of the southern Far East] Mikoflora i osnovnye gribnye bolezni plodovo-iagodnykh rastenii iuga Dal'nego Vostoka.  
Moskva, Nauka, 1965. 145 p. (MIRA 19:1)

STEPANENKO, B.N., otv. red.; KOCHETKOV, N.K., red.; KUDRYASHOV, L.I., red.; KUZNETSOV, A.A., red.; ROZENFEL'D, Ye.L., red.; VASIL'YEVA, L.N., red.

[Chemistry and metabolism of carbohydrates; materials]  
Khimiia i obmen uglevodov; materialy. Moskva, Nauka,  
1965. 351 p.  
(MIRA 19:1)

1. Vsesoyuznaya konferentsiya po probleme "Khimiya i obmen uglevodov." 3d, 1963. 2. Institut khimii prirodnykh soyedineniy AN SSSR (for Kochetkov). 3. Institut biokhimii im. A.N.Bakha AN SSSR (for Stepanenko). 4. Institut biologicheskoy i meditsinskoy khimii AMN SSSR (for Rozenfel'd).

VASIL'YEVA, L.N.; POZDNYAKOVA, A.A.

Determining molybdenum in certain products of nonferrous metallurgy with the use of a direct current polarograph.  
Sbor. nauch. trud. Gintsvermeta no.23:344-347 '65.

(MIRA 18:12)

VASIL'YEVA, L.N.; KAVAL', E.Z.

Species of *Cordyceps* from the Maritime Territory. Bot. mat.  
Otd. spor. rast. 14:164-169 Ja'61. (MIRA 17:2)

VASIL'YEVA, L.N.

Characteristics of the development of nerve parabiosis under the  
influence of bromine and caffeine salts. Vest. LGU 19 no.3:  
100-108 '64. (MIRA 17:3)

PATS, R.G.; VASIL'YEVA, L.N.; ZAGLODINA, T.V.; SHUVALOVA, Ye.D.

Polarographic determination of lead and tellurium in technical  
selenium. Zav.lab. 29 no.8:928-929 '63. (MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh  
metallov.

(Lead--Analysis) (Tellurium--Analysis)  
(Polarography)

VASIL'YEVA, L.N.

New discomycetes of the Maritime Territory. Socb.DVFAK SSSR no.12:  
155-156 '60. (MIKA 13:11)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR.  
(Maritime Territory---Discomycetes)

VASIL'YEVA, L. N.; VINOGRADOVA, Ya. N.

Dependence of the concentration of metal in the mercury drop  
on the time of enrichment with account of solution depletion.  
Zav. lab. 28 no.12:1428-1429 '62. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova.

(Metals--Analysis) (Polarography)  
(Electrodes, Dropping mercury)

VASIL'YEVA, L.N.; VINOGRADOVA, Ye.N.

Distribution of concentrations of a metal inside a mercury drop  
in the course of its electrolytic deposition on a stationary  
mercury electrode. Zav.lab. 27 no.9:10/9-1086 '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.  
(Electroplating) (Electrodes, Dripping mercury)

VINCGRADOVA, Ye.N.; VASIL'YEVA, L.N.; IOBST, K.

Polarographic determination of lead in a particularly pure  
aluminum. Zav.lab. 27 no.5:525-527 '61. (MIRA 14:5)

1. Moskovskiy gosudarstvennyy universitet imeni M. V. Lomchnosova.  
(Lead--Analysis)  
(Aluminum--Analysis)

VASIL'YEVA, L.N.

Macroscopic fungi of forests of the Maritime Territory. Komar. chten.  
(DVFAN) no.8:41-55 '60. (MIRA 14:4)  
(Maritime Territory—Fungi)  
(Maritime Territory—Forest ecology)

VASIL'YEVA, L.N.

Edible mushrooms of the central part of Amur Province. Soob.  
DVFAK SSSR no.13:87-90 '60. (MIRA 14:3)

1. Dal'nevostochnyy filial im. V.L.Komarova Sibirskogo otdeleniya  
AN SSSR.  
(Amur Province—Mushrooms, Edible)

VASIL'YEVA, L.N.

Compositae species new to the Maritime Territory. Soob, DVTFAN SSSR  
no. 11:49 '59.  
(MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo  
otdeleniya AN SSSR.  
(Maritime Territory--Compositae)

VASIL'YEV, I.N.; SOSIN, P.Ye,

Gasteromycetes of the Maritime Territory. Soob.DVFAH SSSR no.11;  
58-62 '59. (MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirekogo otdeleniya  
AN SSSR (for Vasil'yev). 2. Poltavskiy pedagogicheskiy institut  
(for Sosin).

(Maritime Territory--Gasteromycetes)

NIKOLAYEVA, T.L.; VASIL'YEVA, L.N.

Tooth fungi (Hydnaceae) of the Maritime Territory. Soob. DVFAAN  
SSSR no.11:63-65 '59. (MIRA 13:11)

1. Botanicheskiy institut AN SSSR (for Nikolayeva). 2. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo otdeleniya AN  
SSSR (for Vasil'yeva).

(Maritime Territory--Agaricales)

VASIL'YEVA, L.N.

Higher basidial soil fungi associated with the needle fir in the  
Maritime Territory. Socb.DVFAAN SSSR no.11:65-68 '59.

(MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo otdeleniya  
AN SSSR.

(Maritime Territory--Basidiomycetes) (Fir) (Mycorrhiza)

VASIL' YAVA, I. N.

[Edible mushrooms of Maritime Territory] S"edobnye griby Primorskogo  
kraia. Vladivostok, 1951. 61 p.  
(Maritime Territory--Mushrooms)

1. VASIL'Yeva, L. N.
2. USSR (600)
7. "Concerning the Biology of a Root of Grain Crops in the Maritime Kray",  
Sobeschn. Dal'nevostochnogo Filiala im. Komarova Akad. Nauk SSSR  
(Communications of the Far Eastern Affiliate imeni Komarov, Acad Sci USSR),  
No 2, 1951, pp 15-19.
9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132, Unclassified.

VASIL'YEVA, L.N.

Far Eastern scientific conference on the protection of plants  
against diseases and pests. Soob. DVYAN SSSR no.7:90-91 '55.  
(Soviet Far East--Plants, Protection of) (MLRA 10:4)

VASILL'YEVA, L.N.

The seventh "Komarov lectures" at the V.L. Komarov Far Eastern Branch  
of the Academy of Sciences of the U.S.S.R. Soob. DVFAAN SSSR no.7:  
91-92 '55.  
(MLRA 10:4)  
(Soviet Far East--Agricultural research)

VASIL'Yeva, L.N.

Category : USSR / Plant Diseases. Diseases of Cultivated Plants N-3

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22948

Author : Vasil'eva, L.N., Asbukina, Z.M.  
Title : Yellow rust (*Puccinia glumarum* Erikss. et Henn.) in the  
Primorskiy Kray.

Orig Pub : Soobshch. Dal'nevost. fil. AN SSSR, 1955, No 8, 80-82

Abstract : The development of yellow rust *P. glumarum* Erikss. et Henn, in many spots of the Primorskiy Kray occurred in 1950 and 1954 due to chilly and humid weather. In 1954 for the first time the development of "teleuto" pustules was observed; earlier the existence of yellow rust was noted only in the uredostage. The following plants were affected by the disease: *Triticum vulgare*, *T. compactum*, *T. turgidum*, *Hordeum vulgare*, *H. distichum*, *H. hexastichum*, *H. jubatum*, *Elymus sibiricus*, *Roegheria trachycaulon*, *Agropyrum repens* and *Secale cereale* (summer).

Card : 1/1

VASIL'YEVA, L.N.

Agaric fungi of the southern part of the Far East. Bot. na<sup>t</sup>. Otd.  
spor. rast. 11:140-146 Ja '56. (MLRA 9.11)  
(Soviet Far East--Basidiomycetes)

V A S : T E H , Z . V  
Category: USSR/General Division. History. Classics. Personalities. A-2

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21300

Author : Vasileva, L.N., Khlopova, Z.V.

Inst : not given

Title : To the Memory of a Far-Eastern Phytopathologist --  
Ivan Nikolaevich Abramov (1884-1953).

Orig Pub: Botan. zh., 1956, 41, No 3, 435-437

Abstract: A brief outline of the life and activity of Abramov, the agriculturist and phytopathologist, who worked in the Far East almost 42 years. He worked out and put into practice measures combating blight on wheat and oats; he studied seed infection by fusaria and helminthosporia; worked out a system of measures securing full recovery of seeds from the disease. His fundamental book, "Diseases of Far Eastern agricultural plants" represents the only summary and indispensable reference text for mycologists and agriculturists. He also published a mono-

Card : 1/2

-17-

Category: USSR/General Division. History. Classics. Personalities. A-2

Abs Jour: Referat Zh.-Biol., № 6. 25 March, 1957, 21300

graph, "Potato diseases in the Far East" (1953). Abramov detected in the Far East more than 300 samples of harmful mycoflora; of these 19 were new.

Card : 2/2

-18-

SAL'NIKOVA, Aleksandra Fedorovna, kand. sel'skokhozyaystvennykh nauk.;  
VASIL'YEVA, L.N., red.; KAYDALOVA, M.D., tekhn. red.

[Cabbage diseases and their control in the Far East] Bolezni  
kapusty i mery bor'by s nimi v usloviakh Dal'nego Vostoka.  
[Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1957. 89 p.  
(MIRA 11:11)

(Soviet Far East--Cabbage--Diseases and pests)

VASIL'YEVA, L.N.

Boletaceous fungi in the southern part of the Far East. Bot.  
mat.Otd.spor.rast. 12:263-266 Ja '59. (MIRA 12:12)  
(Vladivostok region--Basidiomycetes)

NMILIN, Ye.S.; VASIL'YEVA, L.N.

Pathogenic mycoflora of flowers in the Far Eastern Botanical  
Garden. Biul.Glav.bot.sada no.35:82-91 '59. (MIRA 13:2)

1. Dal'nevostochnyy filial AN SSSR.  
(Vladivostok--Fungi, Phytopathogenic)  
(Flowers--Diseases and pests)

VAKIN, A.T.; VASIL'YEVA, L.N.; GOLOVIN, P.N.; KOMARNITSKIY, N.A.; LITVINOV,  
M.A.; SOSIN, F.Ye.; STRAKHOV, T.D.; TETEREVNIKOVA-BABAYAN, D.N.;  
CHEREMISIYNOV, N.A.; SHCHERBINA, T.S.

"Bracket fungi of the European part of the U.S.S.R. and the Caucasus"  
by A.S. Bondartsev. Reviewed by A.T. Vakin and others. Bot. zhur.  
44 no.3:412-414 Mr '59. (MIRA 12:7)  
(Wood-decaying fungi) (Bondartsev, A.S.)

VASIL'Yeva, L.N.; SHCHERBINA, T.S.; LITVINOV, M.A.; SOSIN, P.Ye.

"An outline of geographical distribution of mushrooms in the  
U.S.S.R." by B.P.Vasil'kov. Reviewed by L.N.Vasil'eva and  
others. Bot.zhur. 44 no.9:1359-1363 S '59. (MIRA 13:2)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR, Leningrad.  
(Fungi) (Vasil'kov, B.P.)

VASIL'YEVA, L.N.

"Mushrooms" by B.P.Vasil'kov. Reviewed by L.N.Vasil'eva. Bot. zhur.  
45 no.9:1374-1379 S '60. (MIRA 13:9)

1. Dal'nevostochnyy filial Akademii nauk SSSR, g. Vladivostok.  
(Mushrooms) (Vasil'kov, B.P.)

VASIL'YEVA, L.N.; KALININA, P.E.

Edible mushrooms of southern Siberia. v. no. 1974. USSR  
(MFA 17:9)  
no.19:103-108 '61.

1. Biologo-pochvennyj Institut sotsialisticheskogo Sibirskego  
Sibirskogo otdeleniya All SSSR.

TURKOVA, N.S.; VASIL'YEVA, L.N.; CHEREMUKHINA, L.F.

Physiology of the curving of leaves and stems. Fiziol. rast.  
(MIRA 19:1)  
12 no.5:825-831 S-0 '65.

1. Kafedra fiziologii rasteniy Moskovskogo gosudarstvennogo  
universiteta.

OBRUCHE' A, Nataliya Vladimirovna; IVANOV, V.B., kand. biol. nauk,  
otv. red.; VASIL'YEVA, L.N., red.

[Physiology of growing root cells] Fiziologija rastushchikh  
kletok kornja. Moskva, Nauka, 1965. 109 p.  
(MIRA 18:9)

VASIL'YEVA, L.P.; TARCHEVSKAYA, Ye.Yu.

List to N.F. Pogrebov's works. Inform.sbor. VSEGEI no.48:9-23  
'61. (MIRA 15:7)

(Bibliography--Geology)

VASIL'YEVA, L.P.

Geography teacher participates in the work of a school Pioneer organization. Geog.v shkole 24 no.6:36-38 N-D '61. (MIRA 14:10)

1. TSentral'nyy sovet Vsesoyuznoy pionerskoy organizatsii.  
(Pioneers (Communist youth)) (Geography—Study and teaching)

LESKOV, L.V.; VASIL'YEVA, L.P.

Molecular band spectrum used for temperature measurements. Izv.  
AN S.S.R. Ser. fiz. 22, no. 6;696-701 Je '58. (MIRA 11:7)  
(Spectrum, Molecular)  
(Thermometry)

VASIL'YEVA, L.P.

Some physicochemical properties of dust in copper pyrite mines. M. I. Berkovich, G. S. Uzlova, and L. P. Vasil'eva, All-Union Sci. Research Inst. Labor Protection and All-Union Central Council of Trade-Unions, Sverdlovsk, *Berichet Silikatn. iud. Nauk. S.S.R., Sverd. Sots. 1931, No. 134-7.* - Properties of dust of quartz-crystite slate, sulfur-pyrite, Cu pyrite, porphyrite, and Cu porphyryite mines. Also, of releasing the wetting agent over or under the H<sub>2</sub>O surface. The min. concn. of OP-7 is 1.0 g./l. OP-10 reduced the surface tension of I and distd. water more at lower than at higher concns. At 2.0 g./l. or over further lowering of surface tension occurred. No ppt. was formed in the concns indicated upon 3 days standing with either of the agents tested, nor upon surface or sub-surface mining. The recommended min. concn. of this wetting agent is 2.0 g./l.

B. S. Levine

VASIL'YEVA, L.P.

Clinical electroencephalographic correlations in establishing a  
diagnosis of epilepsy. Prak.sudebnopsikh.ekspert. no.4:65-72  
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(MIRA 16:2)

ALYAVDIN, V.F.; VASIL'YEV, L.L.; VITOSHINSKAYA, M.I.; GRIGOR'YEV, I.N.;  
GODLEVSKIY, M.N.; ZHERBINA, K.M.; ZHEZEZKOVA, V.N.; KISELEV, A.N.;  
KOZYREVA, Yu.A.; KULIKOV, K.V.; PAFENGOITS, K.N.; POLEV, Y. B.;  
SOLOV'YEV, S.P.; STULOV, N.N.; SHAFRAZOVSKIY, I.I.

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(Nemilova, Aleksandra Vasil'evna, 1892-1961)

VASIL'YEVA, L.P.; TARCHEVSKAYA, Ye.Yu.

V.N. Lodochnikov's works, 1915-1956. Trudy VSEGEI 98:  
(MIRA 17:5)  
12-14 '63.

1. Sotrudnitsy Vsesoyuznoy geologicheskoy biblioteki.

BELYYY, L.D., doktor geologo-mineral.nauk; LYKOSHIN, A.G., inzh.-geolog;  
MOLOKOV, L.A., inzh.-geolog; KOMYAROVA, L.P., inzh.-geolog;  
NEYSHTADT, L.I., kand.geologo-mineral.nauk; VASIL'YEVA, L.R.,  
inzh.-geolog; ZENKOV, N.A., inzh.-geolog; VOZNESSENSKIY, A.N.,  
prof., obshchiy red.; ASANOV, A.M., tekhn.red.

[Geology and dams] Geologiia i plotiny. Pod obshchey red.  
A.N.Voznesenskogo. Moskva, Gos.energ.izd-vo. (Materialy po  
proektirovaniyu gidroenergeticheskikh uzlov. Ser.2. Izyska-  
niia). Vol.1. 1959. 182 p. (MIRA 13:2)

1. Moscow. Vsesoyuznyy gosudarstvennyy proyektnyy institut  
"Gidroenergoprojekt." 2. Glavnyy inzhener otdela izyskanii  
instituta "Gidroenergoprojekt" (for Belyy).  
(Dams) (Engineering geology)

EMANUEL', N.M.; KONOVALOVA, N.P.; BOGDANOV, G.N.; VASIL'YEVA, L.S.

Kinetics of the development of ascitic leukemia L-1210. Dokl.  
AN SSSR 160 no. 6:1421-1423 F '65.

(MIRA 18:2)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent  
AN SSSR (for Emanuel').

1-20178-66 EXP(-n)/P/LNP(j) WW/DJ/RM  
ACC-NR: AP;027750

SOURCE CODE: UR/0065/65/000/009/0050/0053

AUTHOR: Sinitsyn, V.V.; Vasil'yeva, L.S.

39  
B

ORG: none

TITLE: Viscous properties of lubricants and power loss in roller bearings

SOURCE: Khimiya i tekhnologiya topliv i vazel, no. 9, 1965, 50-53

TOPIC TAGS: lubricant, lubricating oil, lubricant viscosity, grease, organic lubricant, roller bearing, siloxane

ABSTRACT: The effect of lubricating oil and plastic grease viscosities on the rolling resistance  $R_r$  and stabilized rolling resistance  $R_{rs}$  of open roller bearings was investigated. The experiments were carried out with lubricating oil from petroleum, polysiloxane oils, tetrafluoromethane fluids, and greases thickened with 10% lithium stearate or 10% sodium stearate. The experimental results for the lubricating oils show that: 1) at 15-84°C and the same viscosity the experimental points on the rolling resistance vs. viscosity curve practically coincide regardless of the nature and chemical composition of the lubricating oil, 2) the  $R_{rs}$  and the oil viscosity log are in a direct ratio even though the latter sustains a change of the order of three decimal places, and 3) the fluoromethane fluids behave differently from the lubricating oils and at the same viscosity the  $R_{rs}$  for the former is 1.7-1.8 times higher than for the

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UDC: 665.521.5

2

ACC NR: AP5027730

lubricating oils. The experimental results for the plastic greases show that: 1) the  $R_r$  decreases at first rapidly and then gradually for all the samples, 2) for grease with low-viscosity and high-viscosity dispersion media the  $R_{rs}$  develops within 3-4 and 20-40 hrs, respectively, 3) for grease with viscous dispersion media the  $R_r$  increases intermittently by tens and hundreds gram-weight/cm and then decreases more or less uniformly, 4) the intermittent changes in the  $R_r$  might be due to grease particles dropping in the operating region of the bearing, 5) the actual viscosity, tensile strength, composition, and structure of plastic grease have a small effect on the  $R_r$  of the bearing, and 6) an increase in the viscosity of lubricating oils by using lubricating oils of higher viscosity in the preparation of plastic grease affects the  $R_{rs}$  of a bearing to a greater degree than a similar increase in viscosity due to lowering of the test temperature. These data on the importance of the viscosity properties of lubricating oils and of dispersion media in plastic greases in the total balance of power loss, occurring at temperatures from plus 10 to minus 10 C and viscosities of dispersion media exceeding 100-200 centistokes, are applicable only to the operation of open roller bearings of automobiles and must be verified experimentally for other types of bearings. Orig. art. has: 5 figures and 2 tables.

SUB CODE: 1113 SUBM DATE: None ORIG REF: 004

Card 2/2

VASIL'YEVA, L. S.

USSR/ Electronics - Radio rebroadcasting stations

Card 1/1 Pub. 133 - 7/16

Authors : Livshits, B. S., and Vasil'yeva, L. S.

Title : Automatization of the control of rural radio rebroadcasting units

Periodical : Vest. svyazi 5, 14-16, May 1955

Abstract : The Leningrad Province Scientific Research Communications Institute, designed and produced an apparatus for a remote control of the MGSRTU-100 TUB-100, TU-500, and TU-600 rural radio rebroadcasting units. The construction, operation, function and installation of the above mentioned apparatus are described. Circuit diagrams.

Institution : ....

Submitted : ....

BYSTROV, Ye.D; VASIL'YEVA, L.S.

Continuous administration of bromide for acceleration of the production of the system of conditioned reflexes. *Fiziol. zh. SSSR* 36 no.5:530-535 Sept-Oct 50. (CLML 20:4)

1. Physiological Laboratory of the Central Roentgenological, Radio-logical, and Cancer Institute, Leningrad.

VASIL'YEVA L. S.

3C

A-39

Chronic administration of bromine for the purpose of accelerating the establishment of conditioned reflexes. E. D. Butrov and L. G. Vasylyova (J. Physiol., USSR, 1969, 60, 639-643). Administration of NaBr (0.8-1.0 g. before each experiment) to dogs accelerated the development of conditioned reflexes, and particularly the process of differential inhibition. (See also: V. D. M. Stever.)

## A10-114 METALLURGICAL LITERATURE CLASSIFICATION

TSFAS, B.S., dotsent, kand.tekhn.nauk; VASIL'YEVA, L.S., studentka

Generalized theorem on the moment of a pair relative to an arbitrary point or on the transfer of the pair in its plane and in a parallel plane. Sbor.dokl.Stud.nauch.ob-va Fak.mekh.sel'. Kuib.sel'khoz.inst. no.1:39-41 '62. (MIRA 17:5)

1. Kuybyshevskiy sel'skokhozyaystvennyy institut.

CHERNYAKHOVSKAYA, I.B., assistent; VASIL'YEVA, L.S., studentka

Proof of the theorem on the addition of two parallel forces  
distinctive from the generally accepted proof. Sbor.dokl.  
Stud.nauch.ob-va Fak.mekh.sel'.Kuib.sel'khoz.inst.no. 1:33-35  
'62. (MIRA 17:5)

1. Kuybyshevskiy sel'skokhozyaystvennyy institut.

GRUSEVICH, S.I.; SHAPIRO, S.B.; YEFRETOVA, Ye.I.; BESKIND, A.A.;  
FARAFONOV, L.S.; TERENT'YEV, V.N.; VASIL'YEVA, L.S.;  
FARAFONOV, L.S., otv. red.; ULANOVSKAYA, N.M., red.;  
ROMANOVA, S.F., tekhn. red.

[New equipment and operating techniques of automatic  
telephone exchanges] Novaia tekhnika i metody ekspluatatsii:  
ATS; informatsionnyi sbornik. Moskva, Sviaz'izdat, 1963.  
151 p. (MIRA 16:12)

(Telephone)

SIRKSYN, V.V.; VASIL'YEV, I.P.

Viscous properties of lubricants and energy losses in roller bearings.  
KhIn. i tekhn. topl. i masei. 10 no.9:50-53 S '65. (LIA 18:9)

L. Moskovskiy avtomobil'no-tekhnichnyj institut (Mos. M. I. T.)

VASIL'YEVА, L. I., Cand Med Sci -- (diss) "Changes in the content of potassium, sodium, and chlorides in children ill with rheumatism." Leningrad, 1960. 15 pp; (Leningrad Pediatrical Medical Inst); 350 copies; price not given; (KL, 28-60, 164)

ALADASHVILI, V.A.; ABULADZE, O.G.; VASIL'YEVA, L.T.

Changes in the cholesterol and lecithin amount of blood serum  
in patients with cholecystitis and liver cirrhosis. Soob.  
AN Gruz. SSR 31 no. 3:745-748 S '63. (MIRA 17:7)

ALADASHVILI, V.A.; VASIL'YEVA, L.T.

Protein formula of the blood serum in chronic gastritis. Soct.  
AN Gruz. SSR 35 no.3:729-732 S '64.

(MIRA 17:11)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavлено  
членом-корреспондентом AN GruzSSR A.N. Bakuradze.

SHOSTAKOVSKIY, M.F.; BELYAYEV, V.I., OKALONIKOVA, Z.A.; VASIL'YEVA, I.V.;  
SEREBRENNIKOVA, E.V.

Polymerization of acrolein under the effect of organomagnesium  
compounds. Izv. SO AN SSSR no.3 Ser. khim. nauk no.1:89-92 '65.  
(Minsk) (A.3)

1. Irkutskiy institut organicheskoy khimii Sibirskogo otdeleniya  
AN SSSR.

L 58907-05 EWT(m)/EPF(c)/EWP(j)/T Pe-L/Pr-L RM

ACCESSION NR: AP5017060

UR/0289/65/000/001/C086/0092

547, 381:541, 64

AUTHOR: Shostakovskiy, M. F.; Belyayev, V. I.; Okladnikova, Z. A.; Vasil'yeva, L. V.; Serebrenikova, E. V.

TITLE: Polymerization of acrolein under the influence of organomagnesium compounds

SOURCE: AN SSSR. Sibirskoye otdeleniye Akademii Nauk SSSR. Izdatel'stvo Nauchno-tekhnicheskoi literatury, 1965, 88-92

TOPIC TAGS: acrolein polymer, organomagnesium compound, polymerization catalyst, Grignard reagent

ABSTRACT: The following polymerization catalysts were considered: ethylmagnesium bromide, isopropylmagnesium bromide, butylmagnesium bromide, isobutylmagnesium bromide, and phenylmagnesium bromide. Isobutylmagnesium bromide produced the highest molecular weight polymer. The authors also studied the effect of solvent, concentration of reagent, reaction temperature, and duration of the reaction on the polymerization. The acrolein polymers obtained were found to contain 35-41% of unsaturated C=C bonds and 7-8 mole % of free aldehyde groups, which indicates an active participation of these groups in the formation of polymers. Infrared spectra showed the presence of doublets at 980, 1180, 1640, 1730, and 2900 cm<sup>-1</sup>.

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L 58907-65

ACCESSION NR: AP5017060

1640-1680  $\text{cm}^{-1}$ , corresponding to ether groups, aldehyde groups, and C=C bonds, respectively. In addition to solid polymers, 5-20% of low-molecular viscous polymers (MW about 200) were formed. X-ray diffraction analysis showed that the solid polymers consisted of a mixture of amorphous and crystalline structures. (Fig. 1). (See 2 figures and 3 tables.)

ASSOCIATION: Irkutskiy institut organicheskoy khimii Sibirsogo otdeleniya AN SSSR  
(Irkutsk Institute of Organic Chemistry, Siberian Branch, AN SSSR)

SUBMITTED: 18Nov63

ENCL: 00

ST B CODE: OC

NO REF Sov: 006

OTHER: 010

Card

2/2

L 5172-66 EPA(s)-2/EWT(s)/EPF(n)-2/T/EWT(t)/EWP(b) IJP(c) JD/WW/  
ACCESSION NR: AT5022450 JG/GS UR/0000/65/000/000/0001/0022

AUTHOR: Subbotin, V. I.; Ushakov, P. A.; Zhukov, A. V.; Talanov,  
V. D.; Kudryavtseva, L. K.; Sviridenko, Ye. Yu.; Vasili'yeva, L.

TITLE: Investigation of the temperature distribution in core and  
shield elements of BN-350 reactor by means of experimental models

SOURCE: Obninsk. Fiziko-energeticheskiy institut. Doklady, 1965.  
Eksperimental'noye issledovaniye na modelyakh poley temperatury  
teplovydelyayushchikh elementov aktivnoy zony i ekranu reaktora  
BN-350, 1-22

TOPIC TAGS: nuclear power reactor, fast reactor, liquid metal  
cooled reactor

ABSTRACT: The distribution of temperatures in various parts of a  
350 Mw fast-neutron sodium-cooled reactor was investigated by means  
of two special experimental models. The first model consisting of  
two loops was similar to the core of the BN-reactor while the second  
model was arranged for investigation of heat transfer in the shield-  
ing area. Particular attention was given to the centrally and  
peripherally located fuel elements that is to the fuel assemblies  
submitted to different heat transfer conditions. The core primary  
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L 5172-66

ACCESSION NR: AT5022450

loop was cooled by sodium while a sodium-potassium compound was used as coolant for the secondary core loop as well as for fuel elements placed within lateral shields. The core model consisted of 37 tubes of which 34 tubes were provided with special welded fins. The shield model had an assembly of 19 tubes. A detailed description of the experiments was given and the results were analyzed. The irregularities in temperature distribution were graphically presented in 10 figures. It is proposed to resume the research on temperatures by using new models because the evaluation of temperature ranges and gradients on outer peripheral elements was not sufficiently reliable. Introductory information is also given on BN-350 reactor as well as on some heat transfer problems. Orig. art. has: 3 diagrams and 10 graphs.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NO REF Sov: 000

OTHER: 000

Card 2/2 b/d

NIKITIN, D.I.; VASIL'YEVA, L.V.

Fimbriae in soil micro-organisms. Izv. AN SSSR. Ser. biol. no. 3;  
400-403 My-Je '65. (MRA 18#)

1. Institut mikrobiologii AN SSSR.

24,2600  
24,7600

83024

S/181/60/002/008/043/045  
B006/B063

AUTHORS: Bol'shov, V. G., Vasil'yeva, L. V., Pautova, G. N.

TITLE: The Emission Properties of Silicon Treated in Cesium Vapors

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 8, pp. 1981 - 1983

TEXT: The effect of a treatment with cesium vapors on the electron emission of Ge films and single crystals is known from the papers of Refs. 1 and 2. The present paper deals with the emission of thermal electrons, photoelectrons, and secondaries from germanium films and single crystals. The films were produced by sputtering onto molybdenum- or uviol glass in vacuo. The measuring method and arrangement were the same as described in the paper of Ref. 1. The silicon was treated with cesium at  $\pm 130 - 150^{\circ}\text{C}$ . Fig. 1 shows the spectral characteristics in the incident light of some typical photocathodes with photosensitive layers of different transmissivities. With increasing thickness of the layer, the color changes from light cinnamon to gold. The sensitivity of the photocells slightly decreased during the first hours after their preparation, but later it remained constant. The curves given here refer

Card 1/3

X

83024

The Emission Properties of Silicon Treated in S/181/60/002/008/043/045  
Cesium Vapors B006/B063

to the stabilized state. Data on the absolute and integral sensitivity and the quantum yield of the photocathodes investigated are listed in a table. Fig. 2 shows the temperature dependence of the true work function,  $\varphi_T$ , for single crystals of pure silicon and of silicon treated with cesium vapors. This treatment was carried out at different vapor pressures and with cathodes of different temperatures. When the vapor pressure was raised, the thermo-current increased with time and attained a constant value between  $900^{\circ}$  and  $1000^{\circ}\text{C}$ . After this current had become constant, the temperature of the cathode dropped. The coefficient of secondary electron emission,  $\sigma$ , was also measured for silicon layers before and after their treatment with cesium vapors. The experiments show that such a treatment increases  $\sigma$  four or five times. The electron emission properties of silicon treated with cesium vapors are analogous to the properties of germanium likewise treated with cesium. The authors thank Professor L. N. Dobretsov for his interest in this work, as well as A. A. Mostovskiy who made it possible to take the spectral characteristics of the photocells, and V. A. Kozlov for his assistance in the measurements. There are 2 figures, 1 table, and 2 references: 1 Soviet and

X

Card 2/3

The Emission Properties of Silicon Treated in Cesium Vapors S/181/60/002/008/043/045  
B006/B063

1 Swiss.

ASSOCIATION: Fiziko-tehnicheskiy inst'ut AN SSSR Leningrad (Institute of Physics and Technology of the AS USSR, Leningrad)

SUBMITTED: February 3, 1960

Card 3/3

PYATNOVA, Yu.B.; SMIRNOV, L.D.; VASIL'YEVA, L.V.; MYAKOVA, G.I.; GOL'TSEVA,  
Z.V.; YEVSTIGNEYEVA, R.P.; SARYCHEVA, I.K.; PREOBRAZHENSKIY, N.A.

Production of 5,8,11,14-eicosatetraenoic (arachidonic) acid.  
(MIRA 15:2)  
Zhur. ob. khim. 32 no.1:142-144 Ja '62.

I. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.  
(Eicosatetraenoic acid)

VASIL'YEVA, L.V.

Educational significance of the work of students in the school  
experimental plot. Est.v shkole no.2:40-47 Mr-Ap '54.  
(MLRA 7:3)

1. Uchitel'nitsa Kutuzovskoy semiletney shkoly Podol'skogo  
rayona Moskovskoy oblasti. (School gardens)

VASIL'Yeva, L. V.

VASIL'Yeva, L. V.

Schools and teachers in the people's China. Biol. v shkole no.1:67-71  
Ja-F '57. (MLRA 10:5)

1.Uchitel'nitsa Kutuzovskoy semiletney shkoly Podol'skogo rayona  
Moskovskoy oblasti. (China--Biology--Study and teaching)

VASTLEVAV

Review  
Date \_\_\_\_\_  
Period \_\_\_\_\_

Group and strain 100% were 21-19 days in the sera showed in poor  
groups production of antibodies. Retesting 6 months after vaccination  
showed some lowering of titres of antibodies in individuals not  
working with infections material and increase of titres in individuals  
working with infections material.

VASIL'YEVA, L.V., uchitel'nitsa.

Preparing students for independent experimental work on the school plot. Biol. v shkole no.2:43-44 Mr-Ap '58. (MIRA 11:4)

1. Kutuzovskaya semiletnaya shkola Podol'skogo rayona Moskovskoy oblasti.  
(Vegetable gardening--Study and teaching)

BOL'SHOV, V.G.; VASIL'YEVA, L.V.; PAUTOVA, G.N.

Emission properties of silicon treated in cesium vapours. Fiz. tver.  
tela 2 no.8:1981-1983 Ag '60. (MIRA 13:8)

1. Fiziko-tehnicheskiy institut AN SSSR, Leningrad.  
(Silicon) (Cesium)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859010001-6

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859010001-6"

VASIL'YEVA, L.V., deputat Verkhovnogo Soveta SSSR.

Life is getting brighter day by day. IUn.nat. no.8:8-10 Ag '60.  
(MIRA 13:8)

(Russia--Economic conditions)

VASIL'YEVA, M., nauchnyysotrudnik; LIKHACHEVA, Ye, nauchnyy sotrudnik;  
LOGINOVA, T., nauchnyy sotrudnik

Quality of wool is determined on the collective farm. Nauka i  
pered. op. v sel'khoz 9 no.5:73-74 My '59.  
(MIRA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ovzvodstva i  
kozovodstva.  
(Wool)

VASIL'YEVA,M., inzhener; SERBO,N., inzhener

Fumigation and degassing of grain at storage points in  
Krasnodar Territory. Muk.-elev.prom. 21 no.4:22-23  
Ap '55. (MIRA 8:7)

i. Krasnodarskaya kontora Zagotzerno  
(Krasnodar Territory--Grain--Disinfection)

VASIL'YEVA M. A.

Krassov I. M., Tagayevskaya A. A. and Vasil'yeva M. A., "Determination of the Amplitude-phase Characteristics of a Regulator by the Rectangular Wave Method," Avtomatika i telemekhanika, 1953, Volume XIV No 3, Pages 322-327, 11 figures; bibliography, 6 items.

KRASSOV, I.M.(Moskva); TAGAYEVSKAYA, A.A.(Moskva); VASIL'YEVA, M.A.(Moskva)

Rectangular wave technique for determining the amplitude-phase  
characteristics of automatic control systems. Avtom. i telem. 14 : .  
no.3:322-327 My-Je '53. (MLRA 10:3)  
(Pneumatic control)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859010001-6

VASIL'YEV, M. A.

Dist: 4226

Electric furnaces for growing large artificial crystals

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859010001-6"

S/564/57/000/000/016/029  
D258/D307

AUTHOR: Vasil'yeva, M. A.

TITLE: Growing of LiF and NaF crystals highly transparent in ultraviolet and infrared regions of the spectrum

SOURCE: Rost kristallov; doklady na Pervom soveshchanii po rostu kristallov, 1956 g. Moscow, Izd-vo AN SSSR, 1957, 242-248

TEXT: Although the authors improvement of Stockberger's and Kyropolous' methods could be applied to the growing of NaCl, KCl, and similar halides, LiF crystals obtained by this method were opaque below 200  $\mu\text{m}$ , were frequently yellowish, and contained absorption bands in the ir. This was found to be due to the presence of admixtures, particularly Si, Al, Ca, Mg, and Pb; crystals grown in air showed absorption at  $\sim 2.7\mu(\text{OH}^-)$ . The latter was ascribed to LiOH, resulting from the hydrolysis

Card 1/2

S/564/57/000/000/016/029  
D258/D307

Growing of LiF...

of LiF from 350 - 400°C upwards. This could be avoided by suppressing the hydrolysis with excess HF. To improve the transmissivity in the UV, the LiF crystals were grown under vacuum ( $2 - 6 \times 10^4$  torr) to allow impurities to escape by sublimation, using the apparatus evolved earlier for artificial fluorite (I. V. Stepanov and P. P. Feofilov, this collection, p.229). The resulting crystals were then broken up and the clear parts were used to grow a second crystal. It was shown that Fe, Ni, Mo, W, and Tl crucibles could be used for growing the crystals; these are unattacked chemically and are not wetted by the fluorides. There are 5 figures and 1 table.

Card 2/2

SINITSA, S.P.; VASIL'YEVA, M.A.

Device for measuring the quasi-contact potential of a p-n junction.  
Prib. i tekhn. eksp. 8 n. 2:179-180 Mr-Ap '63. (ILIA 16:4)

1. Leningradskiy politekhnicheskiy institut.  
(Junction transistors)